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(54) POWER SUPPLY  
PROTECTIVE CIRCUIT  
FOR ELECTRONIC  
APPLIANCE

(57) Abstract:

PURPOSE: To obtain a power supply  
protective circuit for facilitating  
protection of electronic appliance  
against overvoltage or overcurrent.

CONSTITUTION: When individual

load circuits 22, 23 are operating normally with operating power being fed from a main power supply circuit MS, output voltage of the main power supply circuit for each load circuit is compared with a first predetermined threshold voltage  $V_{sh}$  higher than the output voltage of main power supply circuit (standard voltage) connected with each load circuit and a second predetermined threshold voltage  $V_{sE}$  lower than the standard voltage. When the output voltage of main power supply circuit connected with individual load circuit is higher than  $V_{sh}$  or lower than  $V_{sE}$ , a comparison output signal is delivered to a control circuit 4 in order to open the movable contact (v) of a relay 9 provided in the input circuit of the main power supply circuit.

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